



AVOX Systems

SERVICE INFORMATION LETTER

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)
225 Erie Street • Lancaster, NY 14086-9502 • USA
Tel: 716-683-5100 • Fax: 716-681-1089 • Web Site: www.avoxsys.com

OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 897 Series

1. BACKGROUND

- A. CMM 35-21-93 specifies the tests that must be passed in order to return a unit to service. This SIL provides a standardized form on which to record the results of the required functional tests. This form can be copied as needed. This form will be incorporated into the CMM at the next revision.
- B. You are authorized to copy the form on page 2. If you copy the form on page 2 you must copy all of the form.
- C. Use this form only for the AVOX Systems components printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.

2. EFFECTIVITY

- A. Aircraft
The Test Data Sheet on page 2 can be used for all units whether removed from any aircraft or from spares inventory.
- B. This SIL applies to all Cylinder and Valve Assemblies in the 897 Series.

3. MATERIALS

The only material required by this SIL is the Test Data Sheet on page 2.

4. ACCOMPLISHMENT OF SIL

- A. Make complete copies of the Test Data Sheet on page 2.
- B. Use a copy of the Test Data Sheet from page 2 to record the results of tests whenever a P/N 897 Series Cylinder and Valve Assembly is tested.

5. TO CONTACT AVOX SYSTEMS:

Use the contact information below to get a copy of a CMM or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request a CMM copy.

First tier operators:

IN-Services Europe (HQ)
Yann Lainé
7, Avenue du Parana
B. P. 303
91958 Courtaboeuf Cedex
France

Telephone: +33-1-64-86-69-64
Fax: +33-1-64-86-69-84
E-mail: ylaine@intertechnique.zodiac.com
Website: www.in-services.com

Second tier operators:

AVOX Systems
David Coe
225 Erie Street
Lancaster, NY
14086-9502
USA
716-686-1614
716-681-1089
dcoe@avox.zodiac.com
www.avoxsys.com



35-21-93 TEST DATA SHEET 897 Series

Tested by: _____

Date: _____

Part Number: _____

Inspected by: _____

Date: _____

Serial Number: _____

Refer to the **CHECK** section and the **TESTING AND FAULT ISOLATION** section in CMM 35-21-93.**CHECK section****2. Visual Inspection**

Refer to the **CHECK** section for cylinder service life and the hydrostatic test frequency requirements. Check the condition of cylinder surfaces for heat or fire damage, dents, gouges, cracks, distortion, and/or thread damage.

☐ FAIL PASS ☐
TESTING AND FAULT ISOLATION section**7./8. Valve Assembly Tests****A. Internal Leakage Test**

Perform an internal leakage test.

Inlet Pressure psig (MPa)	P/N 803361-01, -02, -03 MAX Allowed 0.083 cc/min	P/N 803345-01 MAX Allowed 50 cc/min
1800 to 1850 (12.4 to 12.8)	☐ FAIL PASS ☐	☐ FAIL PASS ☐

7./8. Valve Assembly Tests**B. External Leakage Test (Revised per SIL-35-59)**

Perform an external leakage test.

Inlet Pressure psig (MPa)	0 to 5 cc/hour Allowed
1800 to 1850 (12.4 to 12.8)	☐ FAIL PASS ☐

7./8. Valve Assembly Tests**C. Open/Close Torque Test**

Perform an open/close torque test three times.

Inlet Pressure psig (MPa)	P/N 803361-01, -02, -03 MAX Torque Allowed 15 in•lbs	P/N 803345-01 MAX Torque Allowed 30 in•lbs
1800 to 1850 (12.4 to 12.8)	☐ FAIL PASS ☐	☐ FAIL PASS ☐

8. Valve Assembly Tests**D. Flow Test**

Perform a flow test for P/N 803345-01 only.

Inlet Pressure psig (MPa)	Flow (lpm)	Observed Pressure Drop 200 psig MAX allowed
1200 to 1250 (8.27 to 8.62)	1000	☐ FAIL PASS ☐

9. Cylinder & Valve Assembly Test**A. Latent Leakage Test (Added per SIL-35-59)**

Install the Valve on the Cylinder.

Charge the CVA to 1800-1850 psig.

Perform a latent leakage test.

No Pressure Change After 48 hour hold
☐ FAIL PASS ☐

NOTE: FLOWS ARE GIVEN FOR OXYGEN TEST GAS @ NTPD. APPLY
APPROPRIATE CORRECTION FACTOR IF OTHER MEDIUM IS USED.